

## Patent Abstracts of Japan

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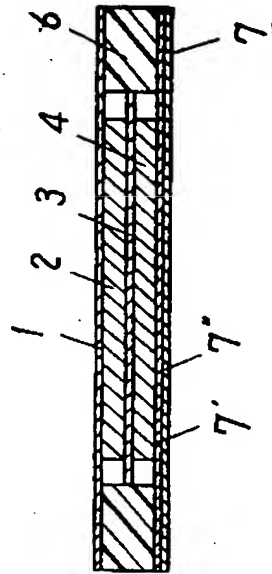
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TITLE : NONAQUEOUS ELECTROLYTE CELL



ABSTRACT : PURPOSE: To prevent the leakage of liquid to be caused due to the positive electrode enclosure being mixed with other adjacent metals when in irregular use by providing a metallic layer, which can hardly mix with lithium, outside of an aluminum current collecting layer.

CONSTITUTION: The surface of one side of a constituent member 7, which is the positive electrode collecting element of a nonaqueous electrolyte cell and is concurrently its positive electrode element, is made up of an aluminum layer 7', and the surface of its other side is formed with a metal 7'' which can hardly mix with lithium. The aluminum layer 7' contacts a positive electrode 4 and its back surface is fitted on the outer side of the positive electrode enclosure. As for metals which can hardly mix with lithium; nickel, copper, stainless steel, and titanium are the typical ones. With the one side surface of the aluminum layer 7' covered by a layer of such kind of metal, the covered metallic layer 7'' prevents the breakage to be caused due to the positive electrode enclosure being mixed with other metals. Especially, when a cell functions using the outside surface of its positive electrode enclosure as its positive electrode terminal face, the contact resistance also can be reduced by using nickel or copper for the covered metallic layer 7''.

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